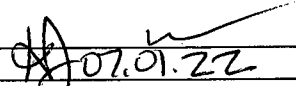
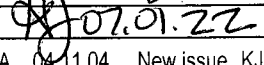


Date: Monday, 1/22/2007 7:45:39 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : WASHER
Job Number : 30344	
Estimate Number : 10374	
P.O. Number : N/A	Part Number : D31375
This Issue : 1/22/2007 S.O. No. : N/A	Drawing Number : D3137 REV E
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A Type : MACHINED PARTS	Drawing Revision : E
Previous Run : 28632	Material : N/A
Written By : 	Due Date : 1/30/2007 Qty: 30 Um: Each
Checked & Approved By : 	
Comment : Est A 04.11.04 New issue KJ/JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
----------------	------------------------------	----------------------

1.0	M6061T6R0750	6061-T6 Round Bar .750"
-----	--------------	-------------------------

**Comment:** Qty.: 0.0218 f(s)/Unit Total : 0.6552 f(s)

6061-T6 Round Bar 0.75"

Material: 6061-T6 Aluminum Bar Ø.750" (QQ-A-200/8 or QQ-A-225/8)

(M6061T6R.7500)

Batch: M103156

MB 07/01/31

2.0	HARDINGE	HARDINGE CNC LATHE SMALL
-----	----------	--------------------------

**Comment:** HARDINGE CNC LATHE SMALL

1-Machine as per Folio FA471 and Dwg D3137

2-Identify as D3137-5

3-Deburr

MB 07/01/31

40

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
-----	-----	--

**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE

MB 07/01/31

40

4.0	QC8	SECOND CHECK
-----	-----	--------------

**Comment:** SECOND CHECK

JF 07/01/31

(40)

5.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
-----	-----------------	----------------------------

**Comment:** HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

JL 07/01/31 x 40

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☒ No ☐ DQA: RD Date: 07/02/05
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 1/22/2007 7:45:39 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: WASHER

Job Number: 30344

Part Number: D31375

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

mf. 07-01-31

(40)

7.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: Inspect work to Step 7

SB 07/01/31

40

8.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 57410

GA took →

PC 7/02/01 #8

62

9.0

QC21

FINAL INSPECTION/W/O RELEASE



(40)

Comment: FINAL INSPECTION/W/O RELEASE

7/07/02/03

Job Completion



U 07-02-02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

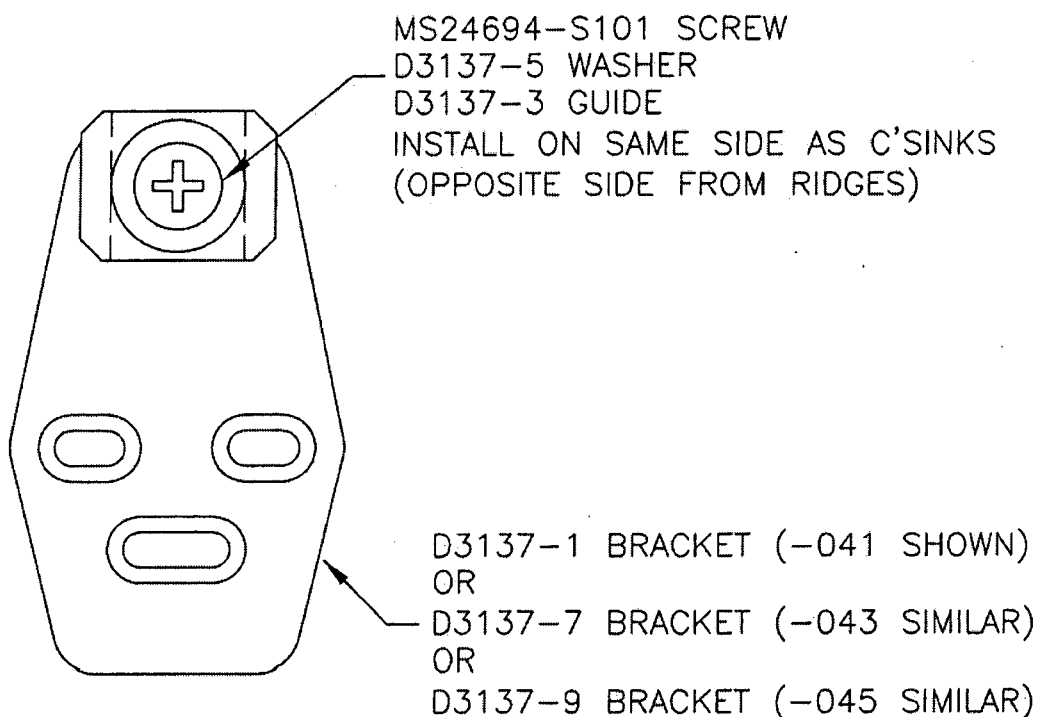
NOTE: Date & initial all entries

DART

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CHECKED #	APPROVED #	DRAWING NO. D3137	REV. E SHEET 1 OF 5
DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:1
A	02.04.17	NEW ISSUE	
B	03.01.16	ADD RIDGES; ADD MAT'L PROP.	
C	03.08.15	ADD -043	
D	04.11.03	RE-DESIGN D3137-5; CHANGE DIMS	
E	05.11.23	ADD -045	

RELEASED

05.12.09



D3137-041 BRACKET ASSEMBLY (SHOWN)
D3137-043 BRACKET ASSEMBLY (SIMILAR)
D3137-045 BRACKET ASSEMBLY (SIMILAR)

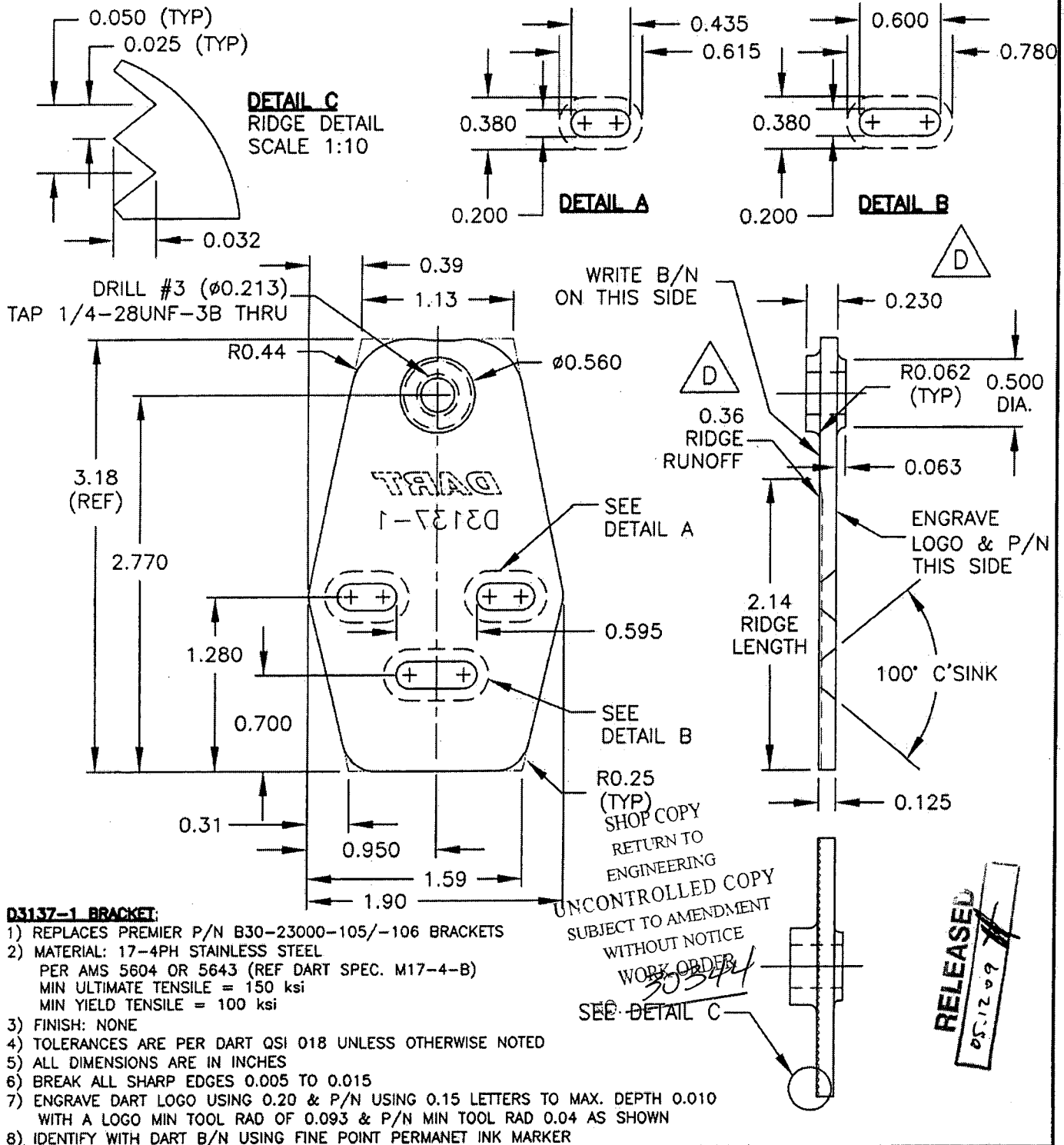
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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:1

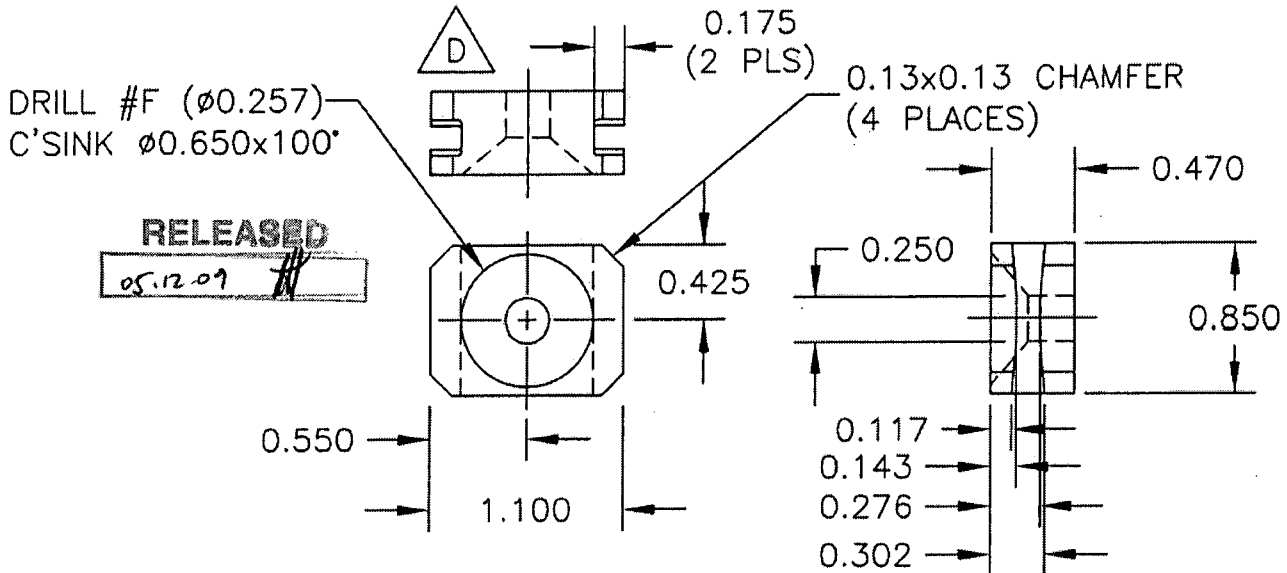


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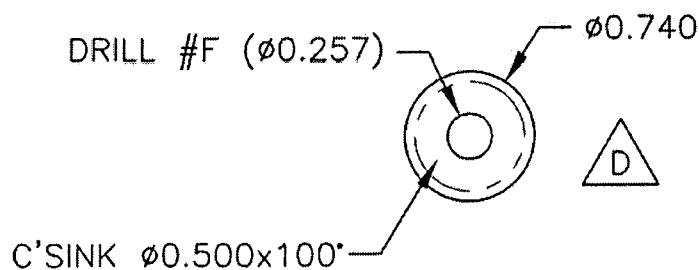
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3137	REV. E SHEET 3 OF 5
DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:1

**D3137-3 GUIDE**

- 1) REPLACES PREMIER P/N B30-23000-207
- 2) MATERIAL: DELRIN BAR (REF DART SPEC. M-DELRIN-B)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL EDGES 0.005 TO 0.015

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**D3137-5 WASHER**

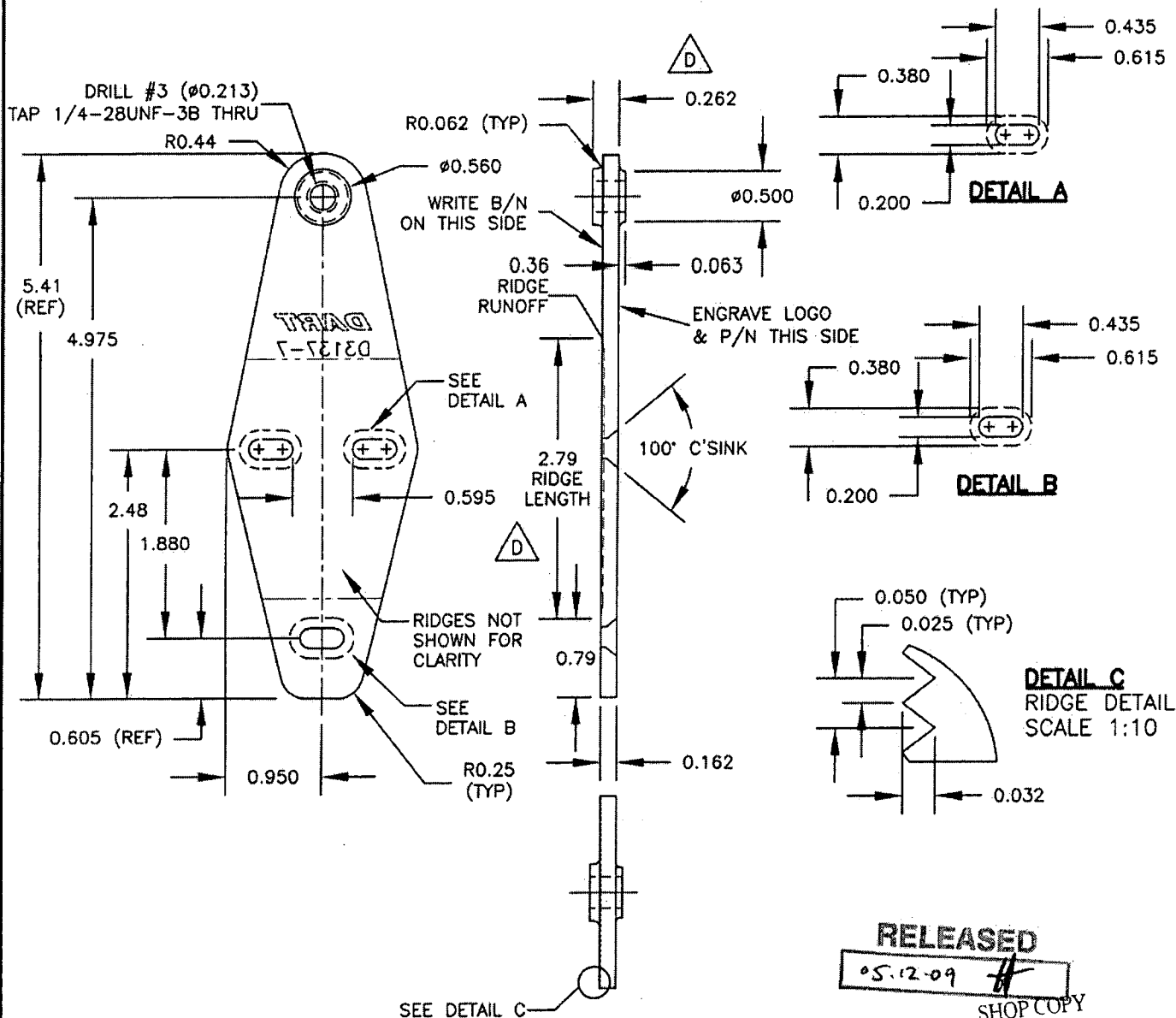
- 1) REPLACES PREMIER P/N B30-23000-209
- 2) MATERIAL: 6061-T6 (QQ-A-225/8 OR QQ-A-200/8) BAR (REF DART SPEC. M6061T6R)
- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL EDGES 0.005 TO 0.015

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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 2:3

**D3137-7 BRACKET:**

- 1) MATERIAL: 17-4PH STAINLESS STEEL PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 6) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
- 7) IDENTIFY WITH DART B/N USING FINE POINT PERMANENT INK MARKER

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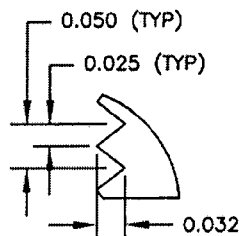
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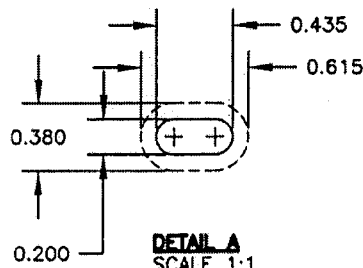
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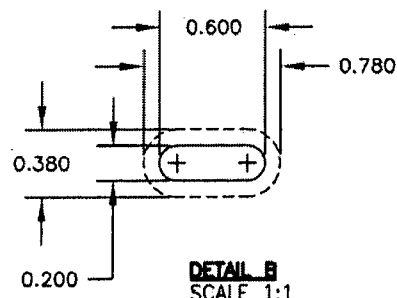
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DATE 05.11.23	TITLE BRACKET ASSEMBLY		SCALE 1:2



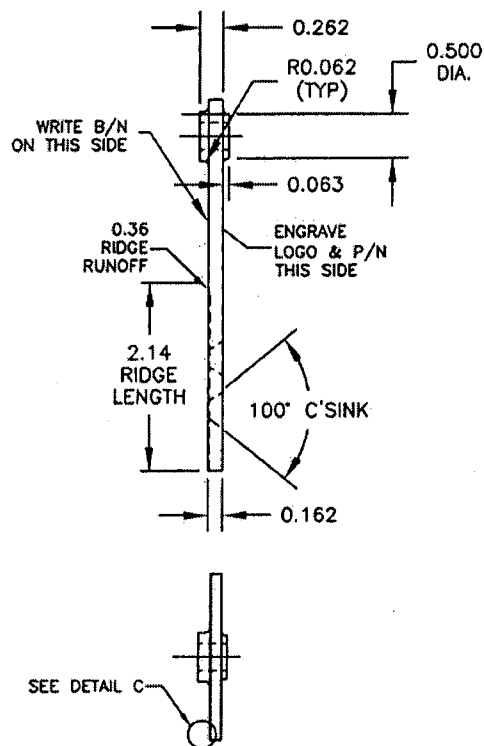
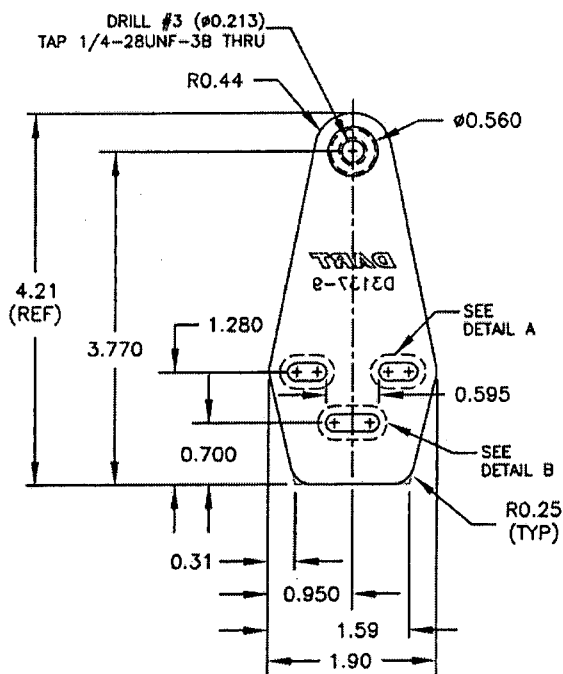
DETAIL C
RIDGE DETAIL
SCALE 1:20



DETAIL A
SCALE 1:1



DETAIL B
SCALE 1:1



D3137-2 BRACKET:

- 1) REPLACES PREMIER P/N B30-23000-105/-106 BRACKETS
- 2) MATERIAL: 17-4PH STAINLESS STEEL
PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 7) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
- 8) IDENTIFY WITH DART B/N USING FINE POINT PERMANENT INK MARKER

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